1st and Final Bill

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

558810

Serial No. .....

Name of work Emergency works in ward No 8. From ..... To .....

Name of Contractor of nature of Agency.... Sagar Associates

Date of commencement of work..... 11-06-2020

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Estimate cost: 30.00 lakhs Jobcode NO : 008-19-000155 Work order NO : BBMP/EE/RTP/WO/15/2020-21 dt: 11-06-2020 Measurement recorded on 25-02-2021						
①	Dismantling of existing structures like culverts, bridges, retaining wall and other structures including T&P and Staffolding wherever necessary. as per specifications qty as per premeasurement recorded in page no 1 of e-MB.					25.50 Cum	
			@ 1520.00	—	—	Rs	38760.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
2.	Dismantling of existing structures like culvert, bridge, retaining wall and other structure comprising of masonry, cement, concrete, wood work, steel work including TEP & Scaffolding wherever necessary. with all lifts complete as per specification. qty as per premeasurement recorded on page no 2 of e-mB @ 355.00					41.40 Cum — Rs 14697.00.	
3.	Earth work in excavation for foundations of structures as per drawing and technical specification, including setting out, construction of shoring and bracing removal of shapes & other materials as per Morth specifications. qty as per pre measurement recorded in page no 3 of e-mB @ 185.00 —					83.23 Cum — Rs 15398.00.	

M. A. R. 57 (Rule 116) **No. E** 558811

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
12.	Earthwork excavation for foundations of bridge, water supply, Sanitary lines and electrical conduits either in pits or in trenches 1.5m & above in widths in hard soil not exceeding 1.5m in depths including dressing the bottom and sides of pits & trenches, as per specifications qty as per pre measurement recorded in Page nos of e.m.B	–			–	18.86 Cum	
	@ 450.00	–			–	– Rs	8487.00.
20.	Lead for disposal of debris shall be payable at carriage rate by mechanical means including loading & unloading with all leads as directed by Engineer in charge of work. qty as per pre measurement recorded in Page no 6 of e.m.B	–			–	108.73 Cum	
	@ 87.56					– Rs	9520.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	4. providing & filling in foundation with granite/trap broken metal 100mm, & down size with approved Sand including hand packing, ramming, watering including Cost of all materials & labour with all leads & lifts etc as per the direction of engineer incharge of the work. qty as per pre measurement recorded in page no 7 of this E-mb. @ 2450.00 —					36.22 Cum — Rs	88739.00
	5. Plain Rein forced Cement Concrete M15 with OPC Cement @ 240kgs with 40mm & down size graded granite metal Coarse aggregate @ 0.80 Cum and fine aggregate @ 0.43 Cum in open foundation as per specification qty as per pre measurement recorded in page no 8 of this E-mb @ 5400.00					18.11 Cum — Rs	97794.00

M. A. R. 57 (Rule 116) **No. E** 558812

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
13	Providing & laying in position PCC of mix M7.5 with OPC Cement @ 150 kgs using 40mm & down size graded granite metal, Coarse aggregates @ 0.85 cum & fine aggregates curing complete as per specifications qty as per pre measurement recorded in page no 9 of this EMB @ 5250.00					4.95 cum – Rs	25988.00
6.	Providing & Constructing granite/trap/basalt/fine stone masonry in foundation Cement mortal 1:6 stone hammered dressed in courses not less than 20 cms bond stones at 2 m apart as per specifications qty as per pre measurement recorded in Page no 10 of this EMB @ 3050.00				–	16.56 cum – Rs	50508.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
7.	Providing & constructing granite/Rap/basalt size stone masonry in foundation Cement Mortar 1:6, stone hammered dressed in Courses as per specifications. - New stones						
	qty as per pre measurement recorded in Page no 11 of EMB					53.30 Cum	
	@ 4700.00					- Rs 250510.00	
14.	Providing & laying in PCC of Mix 1:2:4 with Cement @ 240 kgs with 20mm & down size graded granite metal Coarse @ 0.69 Cum & fine aggregates @ 0.459 Cum, Concrete laid in Layers not exceeding 15cms thick Curing Complete as per specifications						
	qty as per pre measurement recorded in Page no 12 of EMB					25.75 Cum	
	@ 5500.00					- Rs 141625.00	
8)	Providing ruled pointing to Coursed stone masonry with						

M. A. R. 57 (Rule 116) No. E 558813

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth / Depth		
1	2	3	4	5 / 6	7	8
	Cement mortar 1:3, 20 mm deep after raking joints to depths of 20mm nicely lining, including cost of material, labour, curing complete as per specifications.					
	qty as per premeasurement recorded in Page no 13 of EMB			-	103.50	Cum
	@			140.00 -	Rs	14490.00
19)	Providing TMT Steel reinforcement for RCC work including straightening, cutting, bending, hooking, placing in position, lapping for welding wherever required. as per specifications					
	qty as per pre measurement recorded in Page no 14 of EMB			-	2.41	tonne
	@			65000.00 -	Rs	156650.00.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
9)	Providing & laying in PCC of mix 1:2:4 with Cement @ 240kg with 20 mm & down size graded granite metal coarse aggregate at 0.69 Cum and fine aggregates @ 0.459 Cum Complete as per specifications qty as per pre-measurement recorded in Page no 15 of this E.MB @ 5700.00					15.52 Cum - - Rs	88464.00
10)	Providing & laying in position ran forced Cement Concrete M20 mix with Stone aggregates 20mm & down size for slab, including centering & shuttering, 15cm thick well Compacted Curing Complete as pa Specifications qty as per Post measurement recorded in Page no 4 of E MB @ 1950.00					54.00 Sqm - - Rs	105300.00
11)	Providing & laying in position RCC M20 Mix with Stone aggregates						

M. A. R. 57 (Rule 116) **No. E** 558814

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	20mm & downsize for slab, including centering & shuttering, machine mixed, Concrete laid in layers complete as per specifications						
	qty as per post measurement recorded on Page no 4 of EMB					103.50	Sqm
				@	4010.00	-	Rs 415035.00
15)	Direction & place Identification Sign upto 0.95sqm size board. manufacturing Supply & installation of retro-reflectorised Cautionary, mandatory & informatory Signboards made of Cube Corner micro prismatic grade sheeting Confirming to type XI Standards of IRC: 67:2012 Specifications & fixed over 40 mm						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	thick aluminium Composite panel sheet having minimum 0.8 thick The sign post should be painted with one coat of red oxide paint & Paint Color with Brand of 30 Cm Product offered shall be obtained from the Supplier.						
	qty as per post measurement recorded on page no 5 of EMB @ 6750.00 -					110 -	Nos Rs 742500.00
16.	Providing and applying enamel metal paint 2 coats (Excluding Priming Coat) over new steel or other metal Surfaces Brushing to give even shade after cleaning oil, grease, dirt and other foreign matter complete as per Specifications						
	qty as per post measurement recorded on page 5 of EMB @ 90.00 -					425.04 -	Sqm Rs 38254.00

M. A. R. 57 (Rule 116) **No. E** 558815

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
17)	Painting new letter and figures of any shade with Synthetic Enamel Paint black or any other approved colour to give an even shade Complete as per specifications. qty as per post measurement recorded on page 5 of E.MB - @ 0.65					191600.00 cm - Rs 124540.00	
18)	Providing and laying Cement mix 20mm and down size graded jelly of ready mixed concrete (RMC) for RCC work laid in 15cm thick layers and well Compacted Vibrating curing finishing with necessary Cement mortar, form works						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	and Scaffolding to withstand pumping of concrete, with all lead and lifts etc. Colum footing, main and secondary beams. qty as per post measurements recorded on Page no 6 of EMB @ 5650.00 –					5.67 –	32036.00
						Total	2459295.00
					Add	@ 12%	295115.00
						G. Total	2754410.00
							27540
	Certificate: The work has been completed Satisfactorily ; All the debris has been cleared from the site.						25/2/2024
	25/02/2024						

Assistant Executive Engin
Kodigehalli Sub Division
BBMP, Bangalore

M. A. R. 57 (Rule 116) **No. E** 558816

Measurement Book

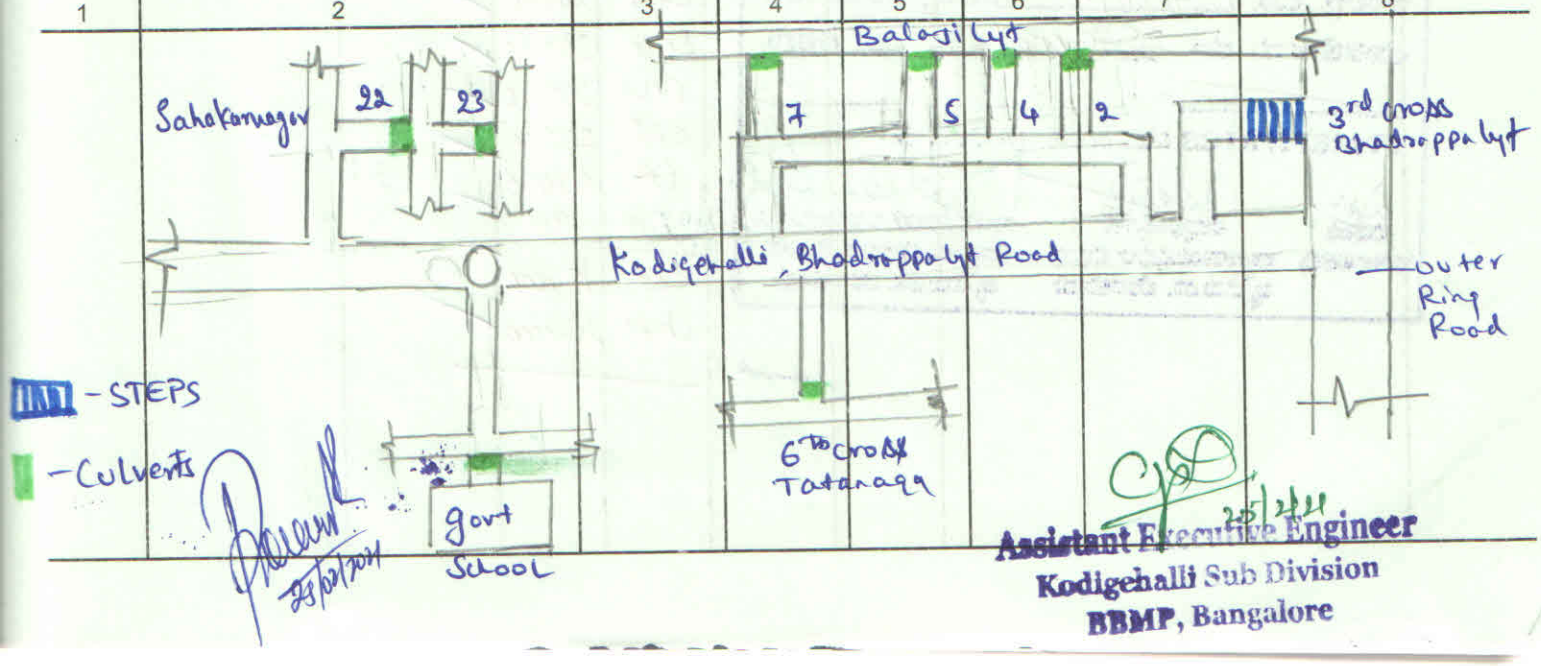
Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions Length	Dimensions Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8



- STEPS
- Culverts

25/2/21

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

1st & final

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	ಲೆಕ್ಕಶೀರ್ಷಿಕೆ P177 - Pow Works ರಸ್ತೆ			TB	2754000		
	ಒಟ್ಟು ಮೊಬಲಗು ರೂ. 2754000/- ಕಾಮಗಾರಿ ಮಾಡಿದ			IT	55080		
	ಇನಾರಬ್ಬ ರೂ. 184000/- ಗುತ್ತಿಗೆ ಕಂಪನಿಗೆ			CGST	24590		
	ಮಾಡಿಕೊಂಡು ರೂ. 2570000/- ಗುತ್ತಿಗೆ			SGST	24590		
				Cess	27540		
	FT/REFT/RTGS ಮೂಲಕ ಪಾವತಿಗೆ			CBF	2754		
	ವಿಷಯ ಪಾವತಿಸಲು ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು ಜೆಜೆಎಂ ಮತ್ತು ಜಲಾನಯನ ಅಭಿವೃದ್ಧಿ ವಿಭಾಗ ಜೆಜೆಎಂ ಮತ್ತು ಜಲಾನಯನ ಅಭಿವೃದ್ಧಿ ವಿಭಾಗ ಜೆಜೆಎಂ ಮತ್ತು ಜಲಾನಯನ ಅಭಿವೃದ್ಧಿ ವಿಭಾಗ ಜೆಜೆಎಂ ಮತ್ತು ಜಲಾನಯನ ಅಭಿವೃದ್ಧಿ ವಿಭಾಗ ಬೆಂಗಳೂರು			LR	47496		
				Fin	1950		
				Ded	184000		
				Chqs	2570000		